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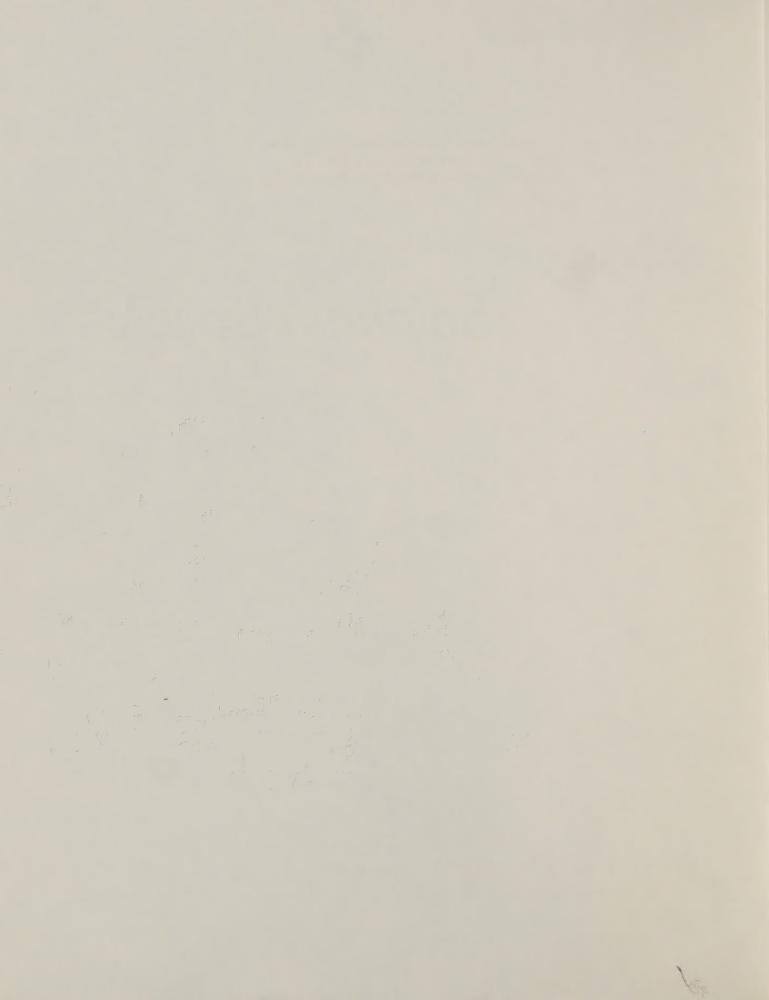


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Solanum Species

Science and Education Administration U.S. Department of Agriculture 1980



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Catalog of Seed and Vegetative Stock
Available From the
Southern Regional Plant Introduction Station

SOLANUM SPECIES • //

Compiled by

REGIONAL PROJECT S-9 of the Agricultural Experiment Stations of

Alabama, Arkansas, Florida, Georgia, Hawaii, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, and Virginia and the

and the
Science and Education Administration
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Pearlmillet. November 1978.
Table Legumes. December 1978.
Summer Legumes. December 1978.
Okra. December 1978.
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CONTENTS

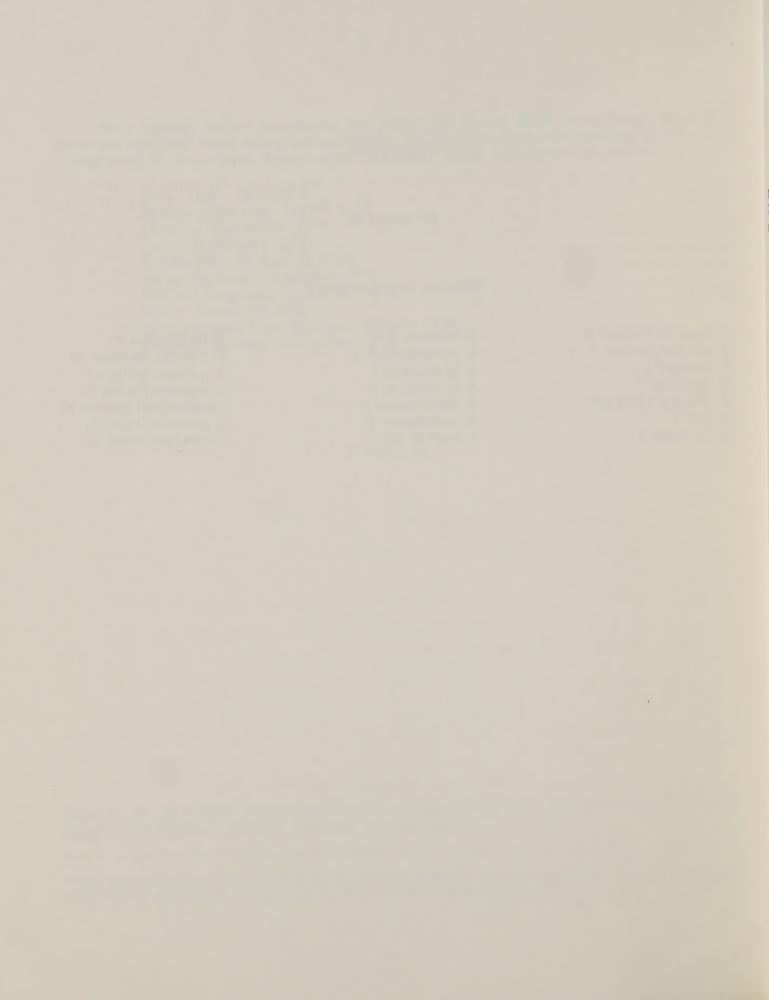
Foreword vii

Solanum Introductions 1

S. aculeatissimum 3
S. atropurpureum 3
S. aviculare 3
S. ciliatum 3
S. elacamifolium 3

S. elaeagnifolium 3 S. gilo 3 S. incanum 3 S. indicum 3
S. integrifolium 3
S. khasianum 3
S. laciniatum 3
S. mammosum 3
S. melongena 4
S. nigrum 21

S. nodiflorum 21
S. pseudocapsicum 21
S. quinguangulare 21
S. sisymbrifolium 21
Unidentified species 21
S. spinosissimum 21
S. xanthocarpum 21



Foreword

Seeds of the plant introductions listed herein are available in small quantities to research workers on request to the Southern Regional Plant Introduction Station, Experiment, Ga. 30212. This inventory is cumulative for plant materials grown at the regional station or by cooperating State experiment stations since 1949, when the S-9 "New Plants" project was initiated. During the year of seed multiplication, plants were observed, when possible, for agronomic and horticultural characteristics, disease and insect resistance, and other desirable genetic characters. These data are summarized for the use of plant scientists who wish to select plant materials for research.

Many plant species that are not in this seed list are available at the Northeastern Regional Plant Introduction Station, Geneva, N.Y. 14456; North Central Regional Plant Introduction Station, Ames, Iowa 50010; and the Western Regional Plant Introduction Station, Pullman, Wash. 99163. The Plant Germplasm Technical Committee member in each State can provide a list of plant materials available at each station. In the Southern States, Hawaii, and Puerto Rico the members are:

- Alabama: C. S. Hoveland, Department of Agronomy, Agricultural Experiment Station, Auburn, Ala. 36830.
- Arkansas: John L. Bowers, Department of Horticulture and Forestry, Agricultural Experiment Station, Fayetteville, Ark. 72701.
- Florida: Gordon M. Prine, Department of Agronomy, Agricultural Experiment Station, Gainesville, Fla. 32611.
- Georgia: G. Sowell, Jr., Regional Plant Introduction Station, Experiment, Ga. 30212.
- Hawaii: R. A. Hamilton, Department of Horticulture, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii 96822.
- Kentucky: R. E. Sigafus, Department of Agronomy, Agricultural Experiment Station, Lexington, Ky. 40506.
- Louisiana: R. J. Stadtherr, Department of Horticulture, Agricultural Experiment Station, Baton Rouge, La. 70803.
- Mississippi: C. E. Watson, Department of Agronomy, Agricultural Experiment Station, Mississippi State, Miss. 39762.
- North Carolina: W. T. Fike, Department of Crop Science, North Carolina State University, Raleigh, N.C. 27607.
- Oklahoma: James S. Kirby, Department of Agronomy, Agricultural Experiment Station, Stillwater, Okla. 74074.

- Puerto Rico: Oscar D. Ramirez, Department of Plant Breeding, Agricultural Experiment Station, Rio Piedras, P.R. 00928.
- South Carolina: D. W. Bradshaw, Department of Horticulture, Agricultural Experiment Station, Clemson, S.C. 29631.
- Tennessee: L. N. Skold, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tenn. 37901.
- Texas: E. L. Whiteley, Department of Agronomy, Agricultural Experiment Station, College Station, Tex. 77843.
- Virginia: A. J. Lewis III, Department of Horticulture, Agricultural Experiment Station, V.P.I. & S.U., Blacksburg, Va. 24061.

Plant scientists in the Southern Region having a need for plant germplasm not available at any of the regional stations or other units of the National Plant Germplasm System should direct their requests to the Coordinator, Regional Project S-9, Southern Regional Plant Introduction Station, Experiment, Ga. 30212. Scientists in the North Central, Northeastern, or Western Regions should direct similar requests to the Coordinator, Regional Project NC-7, NE-9, or W-6, at the appropriate Regional Plant Introduction Station.

Grover Sowell, Jr.
Acting Coordinator, Regional Project S-9
Science and Education Administration

Solanum Introductions

The following symbols and abbreviations are used in the table of *Solanum* introductions:

Column	Interpretation
Species	ACLTSM, aculeatissimum. ATRROP, atropurpureum. AVCLAR, aviculare. CILIAT, ciliatum. ELNFLM, elaeagnifolium. ICANUM, incanum. INDCUM, indicum. ITEGRI, integrifolium. KHASIN, khasianum. LACINT, laciniatum. MAMMSM, mammosum. MLNGNA, melongena. NODIFL, nodiflorum. PSUCAP, pseudocapsicum. QNGNGL, quinguangulare. SISYMB, sisymbrifolium. SP, unidentified species. SPINSM, spinosissimum. XANTHM, xanthocarpum. AFGH, Afghanistan. AFR, Africa. ARGN, Argentina. BRAZ, Brazil. CANA, Canada. COLO, Colombia. ELSAL, El Salvador. ETHI, Ethiopia. GRECE, Greece. HUNG, Hungary. IV CO, Ivory Coast Republic. MANCH, Manchuria. MARTQ, Martinique. MEX, Mexico.
Maturity	NETH, Netherlands. N GUI, New Guinea. NICAR, Nicaragua. N Z, New Zealand. PAK, Pakistan. PHIL, Philippines. PU RI, Puerto Rico. RHOD, Rhodesia. S AFR, South Africa. TAIWN, Taiwan. THAI, Thailand. TURKY, Turkey. URUG, Uruguay. YUGO, Yugoslavia. 1, very early. 2, early. 5, midseason. 8, late. 9, very
	late.
Fruit shape	 round. 2, oblate. 3, oblong. 4, elongate. 5, oval. smooth. 2, loculed. 3, fasciated. 4, radially lobed. yellow. 2, brown. 3, orange. 4, red. 5, yellowish brown. yellow with brown stripes. 7, black. 8, cream with purple stripes.
Immature-fruit color	1, purple. 2, light green. 3, dark green. 4, gray. 5, white. 6, striated, light green on green. 7, striated, light green on dark green. 8, light green with purple stripes. 9, white with purple stripes.
Leaf type	1, smooth dull. 2, smooth glossy. 3, pubescent. 1, no spines. 5, moderate. 9, heavy.
Spine density	1, white. 2, lavender. 3, purple. 4, white with purple stripes. 5, yellow.
Flower habit	1, flowers borne singly. 2, flowers borne in 1's and 2's. 3, flowers borne in 1's, 2's, and 3's. 4, flowers borne in clusters. 5, flowers borne variably.
Verticillium wilt	Results of screening for resistance to Verticillium albo- atrum (Reinke and Berth). Recorded by S. W. Braver- man (Science and Education Administration) at Geneva,

Data on the following characteristics were recorded by Bruce Attavian and B. L. Pollack (Science and Education Administration) at Bridgeton, N.J.: fruit shape, fruit length, fruit diameter, fruit surface, mature-fruit color, immature-fruit color, leaf type, spine density, flower color, and flower habit. All other data, except those on verticillium wilt, were recorded at Experiment, Ga. (Science and Education Administration).

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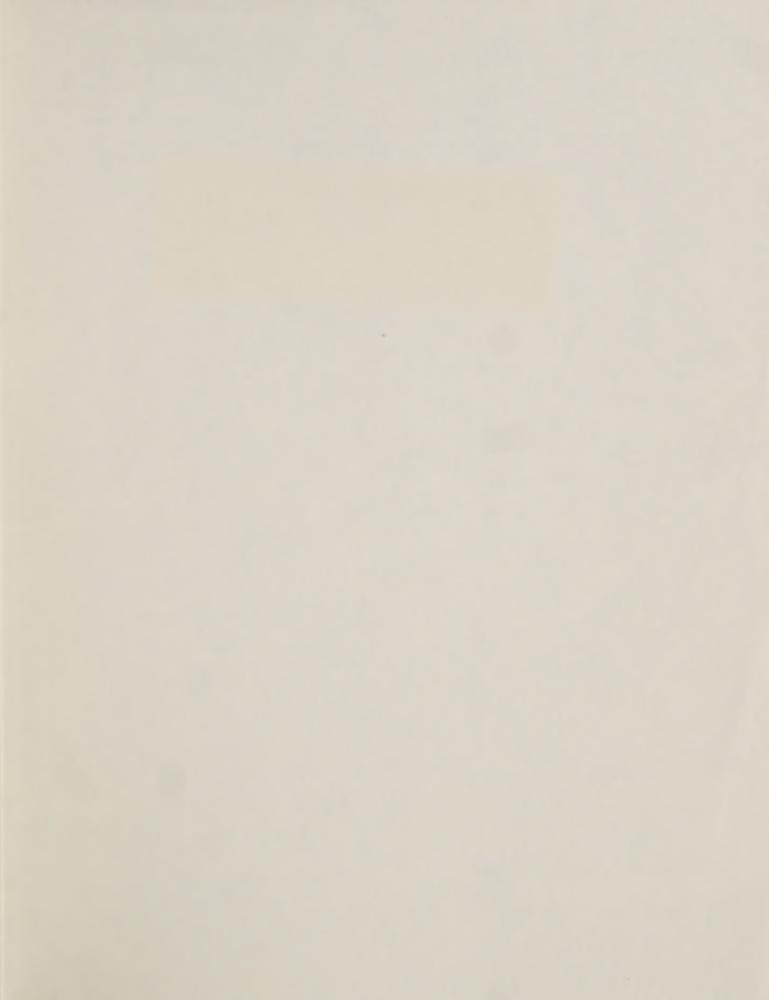
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